

FIG. 31I

CODING SEGMENT ϵ/β' (SEQ ID NO: 143 (bovine) and 179 (human))

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | Cys | Pro | Asn | Glu | Phe | Thr | GLY | Asp | Arg | Cys | Gln | Asn | Tyr | Val | Met |
| AAG | TGC | CCA | AAT | GAG | TTT | ACT | GGT | GAT | CGC | TGC | CAA | AAC | TAC | GTA | ATG |
| | | | | | | | | | | | | | | | |
| AAG | TGC | CCA | AAT | GAG | TTT | ACT | GGT | GAT | CGC | TGC | CAA | AAC | TAC | GTA | ATG |

| | | | |
|-----|-----|-----|-----|
| Ala | Ser | Phe | Tyr |
| GCC | AGC | TTC | TAC |
| | | | |
| GCC | AGC | TTC | TAC |

60

48

FIG. 31J

CODING SEGMENT D: (SEQ ID NO: 144 (bovine) and 180 (human))

| | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ser | Thr | Ser | Thr | Pro | Phe | Leu | Ser | Leu | Pro | Glu | * |
| AGT | ACG | TCC | ACT | CCC | TTC | CTG | TCT | CTG | CCT | GAA | TAG |
| | | | | | | | | | | | |
| AGT | ACG | TCC | ACT | CCC | TTC | CTG | TCT | CTG | CCT | GAA | TAG |

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(bovine and human)

FIG. 31K

CODING SEGMENT D': (SEQ ID NO: 145 (bovine))
(Human)

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| LYS | HIS | LEU | GLY | ILE | GLU | PHE | MET | GLU |
| AAG | CAT | CTT | GGG | ATT | GAA | TTT | ATG | GAG |

27

FIG. 31L

CODING SEGMENT H: (SEQ ID NO: 146 (bovine) and 48 (human))

44

Lys Ala Glu Glu Leu Tyr Gln Lys Arg Val Leu Thr Ile Thr Gly Ile
 AAA GCG GAG GAG CTC TAC .CAG AAG AGA GAG CTC ACC ATT ACC GGC ATT
 ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
 AAG GCG GAG GAG CTG TAC CAG AAG AGA GAG CTC ACC ACC ATA ACC GGC ATT

48

Cys Ile Ala Leu Leu Val Val Gly Ile Met Cys Val Val Val Tyr Cys
 TGC ATC GCG CTG CTC GTG GTC ATC ATG TGT GTG GTC TAC TGC
 ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
 TGC ATC GCC CTC CTT GTG GTC GCC ATC ATG TGT GTG GTG GCC TAC TGC

A

Lys Thr Lys Lys Gln Arg Lys Lys Leu His Asp Arg Leu Arg Gln Ser
 AAA ACC AAG AAA CAA CGG AAA AAG CTT CAT GAC CGG CTT CGG CAG AGC
 ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
 AAA ACC AAG AAA CAG CGG AAA AAG CTG CAT GAC CGT CTT CGG CAG AGC

144

Leu Arg Ser Glu Arg Asn Thr Met Met Asn Val Ala Asn Gly Pro His
 CTT CGG TCT GAA AGA AAC ACC ATG ATG AAC GTA GCC AAC GGG CCC CAC
 ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
 CTT CGG TCT GAA CGA AAC AAT ATG ATG AAC ATT GCC AAT GGG CCT CAC

N

I

192

His Pro Asn Pro Pro Glu Asn Val Gln Leu Val Asn Gln Tyr Val
 CAC CCC AAT CCG CCC GAG AAC GTG CAG CTC GTG AAT CAA TAC GTA
 ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
 CAT CCT AAC CCA CCC CCC GAG AAT GTC CAG CTG GTG AAT CAA TAC GTA

240

Ser Lys Asn Val Ile Ser Ser Glu His Ile Val Glu Arg Glu Ala Glu
 TCT AAA AAT GTC ATC TCT AGC GAG CAT ATT GTR GAG AGA GAG GCG GAG
 ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
 TCT AAA AAC GTC ATC TCC AGT GAG CAT ATT GTT GAG AGA GAA GCA GAG

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